

**MULTI-MODAL AUTHENTICATION, ANTI-DIVERSION, AND ASSET  
MANAGEMENT AND METHOD**

**ABSTRACT OF THE DISCLOSURE**

The present invention employs multi-modalities for authentication, anti-diversion, and asset management (AADAM). The multi-modalities employed in the AADAM system include combinations of Raman spectral analysis; DNA/RNA and 5 other biologic taggants, optionally animal consumable; pit & land marks; algorithmic marks; and spectral analysis with quantum dots (QD's).